

1-6. (CANCELED)

7. (NEW) An axle with wheel hub drive including an electric motor (3) cooled by a cooling fluid and a wheel bearing (5) for a wheel (6), a cooling fluid channel (10) is arranged in the region of a wheel bearing (5) through which the cooling fluid flows.

8. (NEW) The axle with wheel hub drive according to claim 7, wherein wheel heads (2) can be cooled by the cooling fluid of the electric motor (3) of the wheel hub drive.

9. (NEW) The axle with wheel hub drive according to claim 7, wherein two channels (8, 9) are provided in a neck (7) of a motor housing (11) in which the cooling fluid is fed into and eliminated from a wheel head (2).

10. (NEW) The axle with wheel hub drive according to claim 7, wherein the cooling fluid channel (10) is provided in a hub mounting (12) of respective wheel head through which the cooling fluid of the electric motor (3) is introduced directly in the region of the wheel bearing (5), the cooling fluid flows annularly on the hub mounting (12) until recirculation.

11. (NEW) The axle with wheel hub drive according to claim 7, wherein the axle (1) includes a supply pipe (18) for supplying the cooling fluid into at least two wheel heads (2), a connection channel (19) between the at least two wheel heads (2) and a cooling fluid recirculation line (20) proceeding from a first wheel head so that the cooling fluid flows through the supply line (18) to the first wheel head and from there through the connection channel (19) into a second wheel head, so that a cooling water inflow and a cooling water recirculation line (18, 19) are needed on a part of the motor vehicle.

12. (NEW) The axle with wheel hub drive according to claim 7, wherein a metal sheet (13) is arranged in a wheel head (2) for separating the cooling fluid in the cooling fluid channel (10) from oil.